
Teams of Students Educate Their Peers On AIDS

Because young people of university age are the high risk population for AIDS, a unique pilot project, Peer Education on AIDS, is taking place on campus.

Twenty-two students interested in becoming "peer educators" on campus attended an intensive three-day workshop in December, organized by University Health Services (UHS), and Peter Miller, Dean of Student Services, with support from the Students' Union.

As well as becoming informed on all aspects of the disease, the students also learned communication skills to help them get that information across to their peers in informal question and answer sessions.

Subsequently, 11 two-person teams were set up, each knowledgeable on a specific aspect of AIDS (the facts, safer sex, AIDS and substance abuse, psycho-social and ethical issues, HIV antibody testing, and so on).

Team members come from a variety of Faculties including Science (11 members), Education, Arts, Nursing, Physical Education

and Recreation and Agriculture and Forestry. Each "peer educator" is paid \$7.50 an hour and is expected to give four to six hours a week to the project.

The teams contacted student clubs and associations, talked with their friends to get the news out by word of mouth, and now are fulfilling requests to talk to their peers across campus. Groups are kept small (minimum 10, maximum 20 people). After each session a thorough evaluation includes team members' own assessments of their

effectiveness as well as reactions from participating students.

The first presentation was given early in January. By the middle of the month, 10 had been made, with many more to come.

An official University of Alberta policy on AIDS—expected to receive final approval at the General Faculties Council meeting in February—mentions specifically an education program on AIDS for students.

Says Sherrill Berg, health education coordinator with UHS,

and coordinator of the AIDS peer education program, "We all agreed the education program was too important to wait for formal approval of the policy.

"AIDS is a reality. It is on campus. It is incurable. Education is the only 'treatment' we have—education for prevention, because prevention is the only 'treatment'."

Peer education works, she says. "Students don't want to be lectured. The best way to deliver

Continued on page two

FOLIO

University of Alberta

26 January 1989

Expanded Operator Intercept for Switch to Centrex III

'edmonton telephones' has decided to continue its operator intercept of telephone calls until there is little or no use for the procedure following the 28 January switchover to the Centrex III telephone system.

Plans had called for operators to be on hand to intercept calls which had been dailed with the 432- prefix for only a month or two. Now, no one will have to worry about colleagues not being able to get in touch.

The Office of Public Affairs has a limited number of post-it note pads available for those who deal frequently with off-campus associates. The notes read: "My new telephone number changes to 492- on January 28." This will enable you to quickly inform a colleague of the change by filling in the local number and attaching the note to your letter. There is a limit of one note pad (50 sheets) per person and they are distributed on a first-requested, first-served basis. Call Public Affairs, 432-2325 (492-2325 after 28 January), for yours.□

University of Alberta

Overall Results In From Job Evaluation Study

The Job Evaluation Study found that the pay equity gap for University support staff is 15 to 17 percent. This means that, given a male-dominated position and a female-dominated position of equivalent value, the male-dominated position tends to be paid 15 to 17 percent higher than the female one. Pay equity adjustments will eliminate this gap, recognizing the contribution of female-dominated occupations.

The new salary schedule, which comes into effect on 1 April 1989, places each position on a grade that corresponds with the number of points received from the position's evaluation. There are 15 grades in the new salary schedule. Each grade contains seven steps and two long-service steps. This compares to the salary structure currently used by the University.

The overall results of the Support Staff Job Evaluation Study are as follows:

- About 25 percent of support staff are underpaid and will be eligible to receive special adjustments.
- Approximately 30 percent of support staff are overpaid, but no one will receive a reduction in

salary. Staff in this group will be allowed to move through to the long-service maximum of their current salary range.

- The remaining support staff are paid at the correct salary grade and at the right step, or at the correct salary grade but below the right step.

William Betteridge, the person responsible for implementing the University's pay equity program, says he's impressed with the way support staff jobs were evaluated. He says the Aiken Plan Job Evaluation System used by the University is thorough and equitable.

The Support Staff Job Evaluation Study, which started several years ago, evaluated approximately 3,500 support staff positions according to nine categories: complexity/judgment, education, experience, initiative, results of error, contacts, supervision, physical demands, and working conditions.

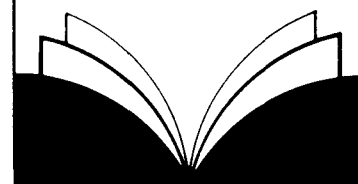
The final deadline for submitting job fact sheets (job explanations used to evaluate positions) was 9 January, but some of these are still outstanding. New jobs were

created and old jobs changed since the study began, and all of these changes must be considered by the Job Evaluation Team.

Betteridge knows that individuals are anxious to hear the results of their own job evaluations, but says he can't provide this information until all job fact sheets are in, and evaluated. Only then, can he make a promise he can keep, about when results will be communicated to individual employees.□

Contents

- Paper recycling saves a bundle
- University honors its own
- 'Letters'
- Burns Night



Folio, 26 January 1989

University's Recycling Program Saves Money and Trees

It was just another call to a local open-line radio show, circa 1972. Or so it seemed. The caller wondered what the University of Alberta did with its waste paper. The broadcaster, not knowing the answer and with an understandable aversion to dead air, eased off the hook by promising to relay the question to Ron Phillips, director of Physical Plant. Mr. Phillips, a lover of surprises, asked the management of Building Services to develop a collection program to test the waters. The upshot was that the University was soon selling waste paper to the Edmonton Salvage Co. Ltd. and, after that company's closure, to Alberta Paper Recycle Ltd.

No bumper crops of paper were harvested in the early years of the program, but by the end of 1974, 500,000 pounds had been collected. Two years later, the take was one million pounds annually, a figure that has been equalled and, on three occasions, surpassed, since then. (To visualize this amount of paper, think of the Commonwealth Stadium field, end zones included, covered by a four-foot high blanket of paper.)

Today, the University now sells all its collected paper to a number of local buyers. (Selling it outside Alberta would net more revenue, but shipping costs and border transfer fees would take too big a bite.) "We go directly to the user and we're guaranteed they will take as much paper as we have," says Werner Larsen, Building Services Manager, Physical Plant. It usually amounts to about 100,000 pounds per month.

"Judging by the requests for information that we get, I'm

convinced that we have a highly successful operation," Larsen says. The City of Edmonton, provincial and federal governments, various schools and universities and private organizations frequently enquire about the program.

The University of Alberta earns approximately \$150,000 annually from the sale of waste paper. The

collection program, Larsen emphasizes, couldn't function without the cooperation of individuals and departments.

Larsen and his staff urge people to pitch in newsprint, cardboard, computer printouts, ditto/thermofax paper, file folder/cards, catalogues, multilith/xerox copies, adding tape,

books (paperback and hard cover), and envelopes (except padded and metal clasps). The following items *should not* be placed in the recycling bins: paper towels and cups, all plastic and inks, metals, carbon paper, wax-coated paper, rubber, ditto/multilith masters, and styrofoam cups and food containers. □

C.R.B. Dunlop: McCalla Professor

Can the use of selected works of literature to study concepts of law and justice be justified as part of undergraduate legal studies?

During his year as a McCalla Professor in 1989-90, Dick Dunlop plans to contribute to the ongoing debate about this issue with the completion of his essay "The Joys and Pitfalls of Law and Literature Studies in Law Faculties," which will also describe the goals of the LLB curriculum and identify the role of "theory of perspectives" courses generally. Many law educators agree it is helpful for law students to step back from the technical courses and consider law and its relationship to justice, ethics, and the other systems in society, says Professor Dunlop. While traditionally, the social sciences and philosophy provided the perspective, he contends, "You can get that kind of overview of the legal order and consider useful and interesting questions about law by reading imaginative writers."

For about 20 years, Professor Dunlop has taught courses about law and literature, first at the University of British Columbia and then at the University of Alberta. Recently, his interest in the works of Charles Dickens and other Victorian fiction and the law involved him in research at the University of California at Santa Cruz and at the University of Leicester. A resulting paper, "Debtors and Creditors in Dickens' Fiction," has been submitted to the Dickens Studies Annual.

As a McCalla Professor, Professor Dunlop will also concentrate on rewriting his book *Creditor-Debtor Law in Canada*, published in 1981 (two supplements followed in 1984 and 1986).

"The economic vicissitudes of the past seven years have made people and governments more aware of creditor-debtor law as a difficult part of the legal system," maintains Professor Dunlop. "The reform of creditors' remedies is still unfinished business in most Canadian jurisdictions. The subject remains important and topical."

His book remains the only attempt to describe the system of unsecured creditors' remedies law operating in all the provinces except Quebec, notes Professor Dunlop. "The law is spread out, incoherent, out of date . . . it's an area of law where people continually tinker . . . fixing it up . . . You're describing a moving target and you have to re-do it every few years." The second edition will incorporate new cases, statutes, rules, law reform reports, books and articles which have appeared since 1981, he indicates. He plans to start research in April and complete the manuscript by October 1991.

Dick Dunlop joined the Faculty

of Law in 1974 after 10 years as a Professor of Law at UBC. He received his BA and LLB at the University of Alberta, his LLM at the University of London and his MA at the University of Alberta.

From January 1983 to August 1985, Professor Dunlop, who is considered a preeminent authority in Canada on creditor-debtor law, was seconded to the Institute of Law Research and Reform to work on creditors' remedies. His research has been supported by the Foundation for Legal Research in Canada, Canada Council, the Central Research Fund and the British Council. □

AIDS Education

Continued from page one

the information is by their peers, in a small group, where questions are answered in a confidential, nonjudgmental environment."

"The discussion that can take place in that kind of environment is very important," adds Pat Cookson, assistant to the director, UHS.

If you are interested in arranging a session with a "peer educator", call Sherrill Berg or Pat Cookson at UHS, 432-2612.

Funding for this pilot project is available only to the end of March. Financial support so far includes contributions from the Students' Union, the President's Fund, a private donor, and UHS. □

page two, Folio, 26 January 1989

FOLIO

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Number Twenty-five*

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Public Affairs produces *Folio* on a regular basis for the staff and other interested persons.



**University
of
Alberta**

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Notice of coming events: 9 a.m. three weeks in advance of desired publication date.

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University Pays Tribute to Long-Time Staff

The staff members listed below slipped out of their offices and labs early on the afternoon of 10 January, but having worked for the University of Alberta for periods ranging from 25 to 40 years, no one about to put them on report. The reason for their early departure was the annual fête of long-service staff hosted by the Board of Governors.

As is customary, bonhomie ruled. Clare Drake, the winningest coach in university hockey annals, commented that the University, with its collective excellence and friendly atmosphere, has been very good to the staff. He and the other members of staff honored are sure to have fond memories of campus and campus life, he said.

The 79 people honored have contributed 1,125 years of service, President Myer Horowitz reckoned. "We hire an individual but we also benefit from that person's spouse and children," he pointed out.

Members of the "25-year club" accepted a plaque, and those with five more years of service accepted engraved pens. The memento for 35-year members of staff was a bronze medallion; the lone member of the "40-year club" took home an engraved silver tray and two wine goblets.

Twenty-Five Years

Donald Bellow, *Mechanical Engineering*
 Ronald Bercov, *Mathematics*
 David Boag, *Zoology*
 Jean-Claude Brunel, *Physics*
 L. Patricia Brunel, *Philosophy*
 Alan Bryan, *Anthropology*
 Allan Clement, *Chemistry*
 Patricia Conger, *Physical Education*
 Frederick De Luna, *History*
 Mildred Demers, *Chemical Engineering*
 Ross Denham, *Accounting*
 Earl Eichenlaub, *Technical Services*
 Serafin Fraga, *Chemistry*
 Jurgen Franck, *Physics*
 James Gallagher, *Industrial and Vocational Education*
 Henry Hargreaves, *English*
 Doreen Haugan, *Geology*
 J. Frank Henderson, *McEachern Lab*
 Ruth Henderson, *Pharmacology*
 R. Geoffrey Ironside, *Geography*
 Ruth Gruhn, *Anthropology*
 Harold Jackson, *Food Science*
 Michel Kalinowsky, *Romance Languages*
 Ernest Kanasewich, *Physics*
 Patricia Larlham, *Extension-General*
 George La Roi, *Botany*
 James Leeson, *Anatomy*
 Rainer Lemke, *Physical Plant-Operating*
 Wilhelm Litke, *Building Services*

Ross Macnab, *Physical Education*
 Darlene Mahlow, *Chemistry*
 John Martin, *Chemistry*
 Krishen Mehra, *Statistics and Applied Probability*
 Amram Meir, *Mathematics*
 James Miller, *Planning and Development*
 Richard Moskalyk, *Pharmacy*
 Kevin Murphy, *Pharmacology*
 Enrico Musacchio, *Romance Languages*
 Narcisse Ouellette, *Applied Sciences in Medicine*
 William Paranchych, *Biochemistry*
 Rosario Pino, *Building Services*
 Saleem Qureshi, *Political Science*
 Mohsen Razavy, *Physics*
 George Samuel, *English*
 Keith Smillie, *Computing Science*
 Helmut Steinke, *Building Services*
 Lloyd Stodgell, *Technical Services*
 Keith Stromsmoe, *Electrical Engineering*
 Donald Sutherland, *Chemical Engineering*
 Dennis Tanner, *Chemistry*
 Roc Walley, *Psychology*
 Gerald Wright, *Extension*
 Park Yee, *Soil Science*
 Ina Zanzig, *Housing and Food Services*

Thirty Years

William Ayer, *Chemistry*
 Jack Bendle, *Materials Management*
 Frank Dimitrov, *Geology*
 Clare Drake, *Physical Education and Sport Studies*
 William Evans, *Entomology*
 Gordon Freeman, *Chemistry*
 Werner Israel, *Physics*
 Cyril Kay, *Biochemistry*
 Paul Kedarle, *Chemistry*
 Donald Kelly, *Electrical Engineering*
 Manoly Lupul, *Educational Foundations*
 Rowland McMaster, *English*
 John Packer, *Botany*
 Arnold Riewe, *Building Services*
 Murray Smith, *Physical Education*
 Dorothy Stark, *Surgery*
 Alex Stelmach, *Geology*
 Shirley Stinson, *Nursing*
 Robert Swallow, *Pathology*
 Frank Weichman, *Physics*
 Rinse Woudstra, *Plant Science*

Thirty-Five Years

Martin Deinum, *Building Services*
 J. Ralph Nursall, *Zoology*
 Mary Spencer, *Plant Science*

Forty Years

Cornelia Arends, *Planning and Development* □



ARTS BUILDING U/A
MEREDITH EVANS '86

University of Alberta
Edmonton



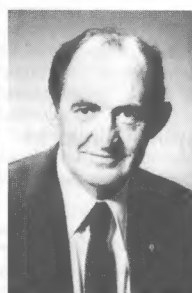
THE RAYMOND U. LEMIEUX
LECTURES ON BIOTECHNOLOGY

Third Lecture

**"The Genes Behind
the Antibiotics"**

Dr. D.A. Hopwood, F.R.S.

Head Genetics Department
John Innes Institute
Norwich, England



Dr. Raymond U. Lemieux,
F.R.S. University Professor

To honour
Dr. Lemieux for
his contribution
to Alberta's
biotechnology
industry.

**3:00 p.m. Monday,
6 February 1989**

Bernard Snell Hall
Walter C. Mackenzie Health Sciences
Centre

Sponsored by the
Vice-President
(Research), ATRT,
and ChembioMed
Ltd.

Dr. Hopwood has pioneered research in several areas of bacterial genetics aimed at producing antibiotics with unique molecular structures or mechanisms of action. His research continues to yield important new findings for application in the field of antibiotic development.

Profile: Gabrielle Lepage, Gifted With Bilingualism

When Gabrielle Lepage walks down the corridors of Faculté Saint-Jean, nearly everyone she passes knows her. Gabrielle easily switches from French to English and then back again, her accent perfect in each case. "Salut . . . How's it going? . . . ah les examens!"

A Franco-Albertan from Peace River, Gabrielle attended the University of Alberta's main campus in 1987-88. Although it was an enjoyable experience, she soon realized that because French is her first language, a valuable part of her culture was missing. One visit to Faculté Saint-Jean convinced her that she had found what she was looking for. She loves the friendly ambiance, the more personal relationships she has been able to establish with classmates and faculty alike. Gabrielle likes the "happy mixture" of Anglophones, Québécois, and Franco-Albertans at Faculté Saint-Jean. She thinks bilingualism is "an extraordinary asset", and has a great deal of admiration for "les anglophones" who have decided to learn French.

One summer, Gabrielle went to a French immersion program in Trois Rivières, Québec, with Francophones from all provinces except Québec. It was here that she realized she was not alone in her feelings of "suffocation in an English environment". This experience helped her to understand her place in Canada's multicultural society.

Having been very active in her high school days—class president, tutoring, bilingual Rotary speeches in Ottawa on Canadian citizenship—Gabrielle has found she has been able to become involved again, at Faculté Saint-Jean. She is the assistant editor of *La Presse Active*, the University of Alberta's French newspaper. Gabrielle is now in her second year BA, majoring in Political Science. Her dream is to attend journalism school at Carleton in Ottawa, and then hopefully to work for the CBC overseas. For the time being, her life is complete. She feels that she is a good example of what the Faculté Saint-Jean can do for anyone in a similar situation. □



U of A Public Affairs

Bilingual student Gabrielle Lepage has benefited from attending Faculté Saint-Jean.

Professional Development for APOs Information Sessions

Office of the President

An overview of the activities and areas of responsibilities in the Office of the President will be presented.

Panel: Dr. Dianne Kieren,
Associate Vice-President (Academic)
Dr. Robert Busch,
Associate Vice-President (Research)
Mr. David Norwood,
Associate Vice-President (University Relations)
Ms. Ellen Schoeck Solomon,
Director, University Secretariat
Prof. Doris Badir,
Equity Adviser

DATE: **Friday, February 10, 1989**
TIME: 10:30 a.m. to 12:00 noon
PLACE: Council Chamber, University Hall

While these sessions are directed at APOs, other interested staff are welcome, space permitting.

Pre-registration not required.
For more information, contact:
Mrs. Eva M. Cherniavsky
Administrative Officer (Academic)
3-13 University Hall (ext. 4588)

Profil: Gabrielle Lepage et le bilinguisme

Lorsque Gabrielle Lepage déambule dans les couloirs de la Faculté Saint-Jean, presque tout le monde la connaît. Elle passe facilement du français à l'anglais, chaque fois avec un accent impeccable. "Salut . . . How's it going? . . . ah les examens!"

Franco-albertaine de Rivière-la-Paix, Gabrielle a fréquenté le campus principal de l'Université de l'Alberta en 1987-88. Elle a bien aimé, mais en tant que francophone a vite réalisé qu'une partie importante de sa culture lui manquait. Une visite à la Faculté Saint-Jean l'a convaincue qu'elle venait de trouver ce qu'elle cherchait. Elle apprécie l'ambiance amicale de la Faculté et les relations plus personnelles avec ses collègues et ses professeurs. Elle se plaît dans cet environnement où se mélangent amicalement des anglophones, des québécois et des franco-albertains. Elle trouve que le bilinguisme est un don extraordinaire et est remplie d'admiration pour les anglophones qui ont décidé d'apprendre le français. C'est lors de sa participation à un programme

estival d'immersion pour francophones-hors-Québec à Trois-Rivières (Québec) que Gabrielle s'est aperçu qu'elle n'était pas la seule à se sentir étouffée dans un monde anglophone. Cette expérience l'a aidé à mieux comprendre la place qu'elle occupe dans la société multiculturelle canadienne.

Ayant été très active à l'école secondaire—présidente de sa classe, monitrice, discours à Ottawa sur la citoyenneté canadienne—Gabrielle éprouve le besoin de s'impliquer aussi à la Faculté Saint-Jean. Elle est rédactrice-adjointe de *La presse active*, le journal francophone de l'Université de l'Alberta. Présentement en deuxième année d'un Baccalauréat-ès-Arts avec spécialisation en Science politique, son rêve est d'étudier en journalisme à l'Université Carleton d'Ottawa et de travailler ensuite outre-mer pour CBC. En ce moment sa vie est bien remplie elle considère que la Faculté Saint-Jean peut apporter beaucoup à ceux qui sont dans une situation similaire à la sienne. □

Letters

Employment Equity: What of the Next Generation of Employees and Employers?

■ In the discussion of employment equity there has been little mention of the next generation of employees and employers, the next children.

If 90 percent of the population were homosexual there should be good cause for employment equity. The 10 percent of heterosexuals would then be breeders and nurturers and could spend full time at it. Their material needs would be provided by the homosexuals, who would be the workforce, employers and employees.

However, since only about 10 percent of the population are homosexual, employment equity seems a bad idea. A large fraction of the 90 percent who are heterosexual produce children, which is how our species propagates. Children seem to have a much larger probability of developing into stable, ethical adults if they have a full-time mother.

Through faulty leadership the University of Alberta is pursuing a program that is an insult to the intelligence of full-time mothers. It is contributing to the destabilization of families and the increase of ethical and legal problems in society. We are poisoning our seed.

One of the most important activities is to produce the next generation of people. We are not unisexual, like earthworms. Mothers and fathers have different, equally valuable roles. Equal opportunity in employment is a good idea, because some women do not produce children. Equal distributions of men and women in activities outside and inside the homes is not possible. It would degrade the economic and psychological level of our society to try to approach it.

Employment equity in the sense used at the University of Alberta would be good for women who do not produce children, but it would tend to make slaves of women who do. And the most serious effects would be on the children, the next generation of society.

Gordon Freeman
Department of Chemistry

The Employment of Faculty Members

■ I would like to comment on Professor Denis Smith's letter of 11 January which dealt with the University of Western Ontario's concept of "equal opportunity" relative to the employment of faculty members.

The senate committee's admission that "systemic" rather than "overt" discrimination has resulted in prejudice against female candidates suggests a degree of semantic camouflage. Regardless of the policy on which a hiring decision is based, if the net result discriminates against a candidate on account of gender it contradicts any possibility of associating the term "equal opportunity" with the selection process. Comments attributed to the senate committee by Smith clearly allow us to conclude that in the past UWO has preferred male employees over equally qualified females. If this is not true, then there is no basis for admitting "systemic discrimination."

The suggested nefarious antidote to this "systemic" malady is discrimination against males in future in order to establish an unnatural balance of female-to-male faculty members. I say "unnatural" because any selection policy based upon anything other than choice of the best qualified candidate directs a selection committee's endeavors away from basic democratic principles. It is not possible to search for female faculty members to occupy certain positions, nor is it possible to bias the selection process in any other way favorable to women, without discriminating against men.

I doubt if female academics would wish to be assessed other than on the basis of their ability alone. But this is equally true of men. It is unlikely that UWO can satisfactorily improve its credibility in this matter by attempting to counteract past prejudices by indulging in further discrimination.

As in the selection of students, selection committees have an

obligation to consider only the qualifications of candidates. Details of personal identity can be readily concealed from a committee, so as to prevent bias, by allotting each candidate an application number rather than supplying information on sex, race, color, etc. which may prove disadvantageous to one candidate.

To select any candidates other than the most eminently qualified for professorial appointments, no matter how noble one's motives might appear to be, can only cause a deterioration in academic standards and create the possibility of inducing tremendous personal conflicts in individuals incapable of coping with the positions in which they have been appointed.

Furthermore, there is no evidence to support the necessity for any deliberate ratio between the number of female faculty members to female students in a university. It is unlikely that one could establish that female professors are necessarily more appropriate for the education of female students. All statements on these aspects of the issue are both prejudicial and redundant in light of the obligation to the university, students, funding authorities and the public at large that selection committees undertake when they acknowledge their sole responsibility to hire the best qualified individual.

Patronizing verbal concessions will not satisfy the need for female/male equality in these matters. What is required is a guarantee that gender will never be a consideration in the appointment of future professors because it bears no relationship to ability. That would ensure true equality of opportunity for all future academics.

D.F. Mulcahy
Faculty of Dentistry
University of Western Ontario

Ed. note. Dr. Mulcahy wrote this letter in January 1985 and it was published in the London (Ontario) Free Press. Now a member of the University of Alberta's Faculty of Dentistry, he submitted the letter to Folio, believing that "the views expressed therein are still relevant."

Call for Contributions to Conference on Teaching and Learning in Higher Education

Organizers of the ninth annual conference on Teaching and Learning in Higher Education are inviting interested people to submit proposals for the conference.

The conference, 17 to 20 June 1989, is co-sponsored by the Society for Teaching and Learning in Higher Education (STLHE) and the University's Committee for the Improvement and Teaching of Learning (CITL).

For the first time in the Society's history, the conference is being held in the West, namely on this campus. A forum will let those associated with teaching examine ways of improving both teaching and learning in post-secondary education.

As the 1989 conference, not unlike past conferences, is themeless, people with experience in such areas as evaluating teaching, innovative approaches to education, specific teaching techniques, teaching assistance for new instructors, teaching communication skills and technology in teaching and learning are invited to submit their ideas.

Formats under which such subjects can be introduced range from workshops to demonstrations and poster sessions to interactive presentations.

Brochures and further information about the conference can be obtained from Bente Roed Cochran, Coordinator of CITL, 432-2826. □

Caine and Colleague Raising Leaner Meat

Animal nutritionist William Caine (Animal Science) is studying the effects of feeding livestock an adrenalin-like compound, cimaterol, designed to put more lean tissue and less fat on their bodies.

It's the sort of additive livestock farmers have been looking for, to help them meet the rising consumer demand for leaner meat.

Such an additive would also reduce the cost of waste fat, at present estimated to represent losses of millions of dollars annually to producers.

With the steroids currently in use, weight gain is as much in fat as in lean.

Now the pharmaceutical industry is developing repartitioning agents--compounds that increase

the amount of lean tissue without increasing the amount of fat. Cimaterol is one of these.

"Cimaterol can offer the farmer a leaner carcass on his animals and potentially at less cost," says researcher Caine. "But we really need to know whether this is happening at the expense of something else in the animal's system."

Caine, who is working on this study with ruminant nutritionist Gary Mathison (Animal Science), administered the cimaterol to his test group of sheep as a kind of "flour" mixed into their feed.

Calorie intake was the same for both groups, but the test group laid down more muscle and less fat than the control group.

A Surprise From the Test Group

Because there are fewer calories in lean meat than in fat, the researchers expected the test group to give off more body heat than the control group. (The control group, having retained more calories in the form of fat, would have fewer to expel.)

"But our research shows that the heat expelled by the lean test animals was not measurably greater than that expelled by the fatter control group," says Caine. And he describes the finding as "a bit of a surprise."

Reports coming in from other research groups (Caine was among the first to publish these data) seem to support as well as to contradict his findings. This, he suggests, may be due to differences in doses and dosage timetables as well as to differences in the types of animals.

"Whatever the reason," he says, "the question now is, what really is happening in the animal?"

"Is the system having to work harder, the heart beat faster, the digestive tract work overtime? Is it still operating efficiently, or is it being overloaded?"

"When we answer these questions we'll be able to develop new forms of the compounds as well as improved ways of administering them to get the kinds of response we want."

Caine's research, now in its third year, is supported by Alberta Farming for the Future.*□

**Reprinted from Research Report, published quarterly by the University's Office of Public Affairs.*

Fathers Needed, to Tell Their Side of the Story

Fathers of infants now aged three to six months and currently being breastfed, are needed to take part in a research study of what it's like to be the father of a breastfed baby and the partner of a breastfeeding woman.

"The breastfeeding family involves more than just a mother and an infant," says graduate student Diane Gamble (Nursing), who is conducting the study towards her Master's thesis. "There is a male perspective on breastfeeding," and the father's feelings influence the

situation. "This information will be useful to nurses caring for childbearing families."

All that's required from fathers willing to participate in the research project is agreement to being interviewed by telephone one to three times. Confidentiality is assured, of course.

If you meet the criteria and would like to contribute your side of the story, call Diane Gamble, 439-6627. Her answering machine will take a message if she is not available.□

Rutherford Award for Excellence in Undergraduate Teaching

The GFC Undergraduate Teaching Awards Committee (UTAC) reminds the University community that nominations are being sought for the annual Rutherford Award for Excellence in Undergraduate Teaching.

The Rutherford Award was established in 1982 to recognize in a public way excellent teaching, to publicize such excellence to the University and the wider community, to encourage the pursuit of such excellence, and to promote informed discussion of teaching and its improvement at the University of Alberta.

Nominations are made by Faculties that teach undergraduate students, and information about the nomination procedures and adjudication criteria has been sent to those Faculties. **The deadline for receipt of nominations by UTAC is 17 February 1989.** Because nominations should be made through a Faculty committee, individual Faculties will in most cases have established earlier deadlines to allow for internal adjudication procedures.

At least one award, but not more than four, will be given annually. The GFC Policy Manual states that: "Individual award winners shall be publicly recognized at a special occasion and/or Convocation and shall receive an appropriate memento. A permanent plaque recognizing their achievement shall also be displayed in a suitable place in a University building." The permanent plaque is located in the Rutherford Galleria and, beginning with the awards for 1985, individual recipients also receive cash prizes of \$2,500.



University
of
Alberta

Emil Skarin Fund

Invitation to apply

Applications are invited to the Emil Skarin Fund Committee of the University Senate for financial support of a 1989 project or projects. Approximately \$5,000 from the Fund will be available.

Projects must be of value both to the public as well as the University of Alberta; be consistent with the general aims and purposes of this University, but not normally funded by it; and originate within the Province of Alberta.

Preference will be given to projects with an emphasis on the humanities and the arts. Proposals should include objectives, schedule, budget, and procedures for organization and evaluation.

Application forms are available on request, and should be returned, completed, by **1 March 1989.**

**The Chairman,
Emil Skarin Fund
Committee**
University of Alberta
150 Athabasca Hall
Edmonton, Alberta
T6G 2E8

Tel. 492-2268

Profile: Dale Travis, Technician II, Agricultural Engineering

"I'm sort of a jack-of-all trades," says Dale Travis, summing up his job skills as a technician in the Department of Agricultural Engineering. He's also a man of many other talents, from painting abstracts, to running marathons and concocting mouth-watering desserts.

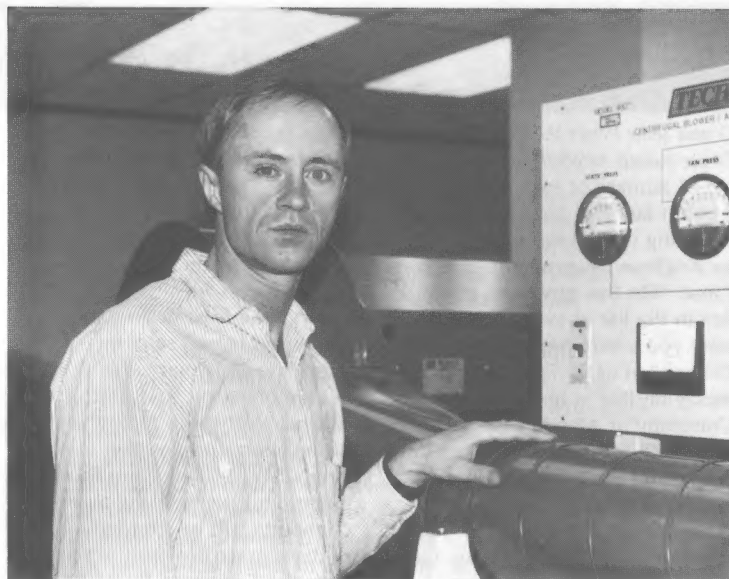
Travis helps monitor commercial farm buildings for heating, humidity and ventilation requirements for animals, from chickens to dairy cattle. The department makes the information available so barns can be modified or new designs can be developed. Travis is also the "trouble-shooter" for department projects, making sure the equipment is running and improving monitoring techniques. "We measure temperature, humidity, carbon dioxide, ammonia, and ventilation rates."

The focus has changed since he began the job 13 years ago, after a one-year stint in Botany upon receipt of his BSc. "As we developed familiarity with the barns, we found most were well insulated and heat loss was through the ventilation system, so

we concentrated more on the amount of ventilation necessary and have started measuring dust and ammonia levels, conditions that affect the health of the birds."

Being raised on a farm near Claresholm helps him relate better to the farmers with whom he works, Travis suggests. Perhaps, as well, it has given him a certain approach to life, one he sees in others whose backgrounds are similar. Words like flexible and practical spring to mind. The carpentry skills learned from his father have certainly come in handy innumerable times, says Travis. For example, he helped adapt the department's equipment trailer by insulating, wiring and panelling it, and then adding shelving to transform it from a shell to a mobile monitoring unit.

Travis has worked out a way to enjoy both country and city life. He lives in the manager's house at the Ellerslie Research Station. "It's the best of both worlds," he muses, "no neighborhoods within a mile or two, so you get that quiet, but it only takes me 25 minutes to get to the University."



For a fleeting moment, Dale Travis has time on his hands.

He's concerned about keeping up with the new electronic equipment available. "I want to maintain enough of a level so I'm not lost when someone talks about integrated circuits . . . so I can follow along even if I can't build a circuit . . . I try to keep my knowledge more diversified and less specific."

Fitness, Travis stresses, is a central part of his life. He lifts weights, swims and runs daily, about 75 km a week. He's tackled five marathons to date, including two in Honolulu and the most recent in Victoria this fall. "That was tough . . . running along and seeing the runners disappearing in the fog." Do these 42 km efforts reflect the most 'practical' side of his nature? "After 36 km, you do start to think, 'why am I doing this?'" he laughs.

Travis is an accomplished artist.

His paintings, carried for the past six years by the Front Gallery, are collected by Kevin Lowe, Wayne Gretzky and Amoco Canada. He describes his work as abstract, color field painting, but advises, "It isn't really an abstraction of something . . . it exists for itself . . . it's not a painting of 'something', it's a painting. Period."

And what about his baking? "I've got just about every cookie cutter you can imagine," he grins. His favorite treat? A sinful Black Forest cheesecake. "A zillion calories, three kinds of liqueur . . . it's really fluffy," murmurs the slim long distance runner. He sees similarities between cooking and research. "You just have to be willing to take chances . . . you have flops and successes, but that's the way you find things out." □



University of Alberta The Senate

Nominations for Public Members

We invite nominations from members of the public and/or associations to fill several vacancies on the University Senate.

Volunteer members serve on Task Forces and committees dealing with educational issues. Senate, which is a bridge between the University and the community, meets formally four times a year, for a full day session.

There are no formal qualification requirements but consideration will be given to community service of nominees from central and northern Alberta. Members serve for a three-year term beginning July 1, and applications are invited from people of all walks of life.

The deadline for receipt of nominations in the Senate office is March 1, 1989.

Nomination forms requiring the signature of the nominee and two nominators are available from:

**The Senate
University of Alberta
150 Athabasca Hall
Edmonton, Alberta T6G 2E8 Tel: 432-2268**

"It is the duty of a senate to inquire into any matter that might tend to enhance the usefulness of the university."
The Universities Act 1976

Jana Lamont, 1939 - 1988

The staff of University Computing Systems were deeply saddened by the loss of their colleague, Jana Lamont, who passed away peacefully on 27 December 1988 after a long battle against cancer.

Jana was born in Czechoslovakia on 2 December 1939. She studied law at The Charles University of Prague before coming to Canada in the fall of 1968. During 1970-75, she obtained her BA, MA Linguistics (Russian) and a MLS.

Jana worked for the Faculty of Extension as a librarian assistant before becoming a programmer/analyst with the Department of Computing Services in August 1977. Her extensive knowledge of library operations, Selective

Dissemination of Information (SDI), and library automated systems and networks was a valuable addition to the department.

As the UCS data and program librarian, Jana was responsible for providing information services relating to the Data Library and other data bases to campus and external users. She developed appropriate systems for classification, cataloguing, and indexing of machine-readable data files available in the Data Library.

Jana Lamont's dedication to her work and to her clients at the University of Alberta earned the respect of her colleagues at UCS. She will be missed and remembered. □

Burns Night 1989 Promises 'Bad Jokes and Good Poetry'

*O wad some Pow'r the giftie gie us
To see oursel's as others see us!*
On 25 January of each year, without fail, Ray Grant receives the following enigmatic message from an Anglican clergyman on the West Coast: "On this great and glorious day in the life of every Scotsman, I wish you a very happy Feast of the Conversion of St. Paul." Brooding darkly on this in his lair in the University of Alberta's Department of English, Scottish, Professor Grant is heard to mutter pointedly that his friend in Vancouver should "keep his ain fish guts til his ain sea maws." Be this as it may, Grant is always pleased to tell anyone who will listen that 25 January marks the anniversary of the birth in 1759 of Robert Burns, the national bard of Scotland and the world's only truly international poet. At this season all over the world, Scotsmen and those who wish to God they were Scotsmen gather to consume vast quantities of haggis (don't ask the ingredients: it's better not to know), mashed tatties (potatoes) and bashed neeps (turnips) and to

wash the repast down with heartburn-killing draughts of Scotland's other most famous export in toasts to the memory of the poet until they are gently led homeward by their handlers.

The U of A Faculty Club will observe the feast of Scotland's somewhat lapsed saint on Saturday, 28 January, for two main cunning reasons; first, Burns Night will be clearly seen to be the climax of the festive progression of New Year's Eve, Malanka and Burns Night, and, second, the many celebrants will be afforded a couple of days' grace in which to recover from the Edmonton Burns Club's supper downtown on the 25th.

Professor Grant returned in September from a full-year's study leave in Cambridge, having spent the 1988 Burns Season slaughtering several haggis in England in an attempt to convert the Sassenach infidel to a true appreciation of the great poet of the human heart. It is to be hoped that the fruits of his later and arduous sabbatical researches in Scotland will include new insights into Burns and (for

pity's sake) some new jokes. He will presumably be able to tell us the answers to questions which are perennially on the tongue of the earnest enquirer: At the Rangers-Celtic match, is there really ever any danger of a soccer game breaking out? Is McEwan's Export outselling Tennent's Lager these days? Is Glenfiddich malt still single? Is anything worn beneath a Scotsman's kilt or is everything in perfect working order? Is Chris Grieve Hugh MacDiarmid or is Hugh MacDiarmid Billy Connolly? Can McGonagall be made to scan? Did Bacon or Marlowe really write the poems of Burns? Was Burns in actual fact a Campbell? And why do thousands of revellers yell out the words of one of Burns's most intimate love poems in Times Square on New Year's Eve (*recte* Hogmanay, another religious Scottish festival once defined by Evelyn Waugh as "people being sick on the sidewalk in Glasgow")?

For authoritative answers to these and other vital questions, repair to the Faculty Club's Burns Supper this Saturday, 6:30 for

7 p.m., bars open 11 a.m. You will find a warm welcome awaiting you there no matter how Siberian the Edmonton weather, and you will hear bad jokes and good poetry. Fair fa' your honest, sonsie faces this 1989 night o' Burns. □



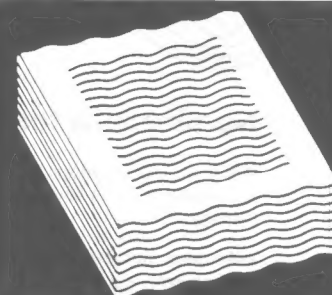
F Stop Fitzgerald

Steve Sutphen (Computing Science) is this year's winner of Printing Services' wall calendar contest. His two easy-on-the-eye photographs stood out among the many high quality submissions received by Printing. Nancy Semotiuk, marketing coordinator (Printing Services), is shown presenting Sutphen with a set of The Canadian Encyclopedia, his prize for winning the contest.

Successful Final PhD Oral Examinations

| Name | Department | Final Thesis Title |
|--------------------------|--------------------------------------|---|
| Patrick Yue-Thong Chow | Chemistry | "Characterization and Application of Oxine Immobilized on Controlled Pore Glass for the Determination of Free Calcium." |
| Terry Ann Dubetz | Chemistry | "Study of the Origin of Excessive Bandbroadening on PRP-1." |
| Heinrich Karl Heinz Jr. | Civil Engineering | "Large Cross Section Tunnels in Soft Ground." |
| Jamey Karl Hovey | Chemistry | "Thermodynamics of Aqueous Solutions." |
| Roop Chandra Jain | Electrical Engineering | "Microwave Dielectric Measurements and Layer Heating." |
| Hanjiu Liu | Chemistry | "The Electrical Double-Layer Sorption Model for Ion Pair Chromatography." |
| James Erwin Nolan | Chemistry | "An Electrochemical Model for Redox Cycling." |
| Julie Susanne Racok | Chemistry | "On the Metabolites of Talaromyces Flavus." |
| Judy Maureen Mona Sefton | Physical Education and Sport Studies | "A Field Investigation of Children's Causal Attributions for Sport Outcomes." |
| John Fergusson Smith | Chemistry | "Thermodynamics of Non-Electrolyte Solutions." |
| Lillian Joan Upright | Music | "The Pianist's Wrist: Its Use, 'Dis-use' and Mis-use with Illustrations from Beethoven's Bagatelles." |
| Garry Takashi Yamashita | Chemistry | "The Determination of Thiols and Metabolic Disulfides of Penicillamine and Other Biological Mercaptans by HPLC-EC." |

Currents



Chair Selection Committees: Faculty of Arts

The Faculty of Arts wishes to announce that Chair Selection Committees are being established to select new Chairs for the Departments of Anthropology, Art and Design, English, Romance Languages, and Slavic and East European Studies. These committees are prepared to receive nominations and comments from members of the University community; they should be addressed to Dr. Patricia Clements, Dean of Arts.

Donald Murray Ross Zoology Wing Dedication

Friends of Donald Murray Ross, Dean of Science (1964-76) and Chairman of Zoology (1961-64), are invited to attend

the dedication of the Donald Murray Ross Zoology Wing on Tuesday, 7 February, at 3:30 in CW4-10 Biological Sciences Building. Speakers include President Myer Horowitz; J. Ralph Nursall, Professor Emeritus of Zoology; and George O. Mackie, Professor of Biology, University of Victoria. Mrs. Ruth Ross will be in attendance. A reception will follow the dedication.

Faculty Women's Club Luncheon

The Faculty Women's Club is holding a luncheon at noon, 8 February, at the Faculty Club. Guest speaker: Mary Engelmann, director, Senior Citizens Secretariat. Tickets: \$10 per person. All club members are welcome. Telephone 434-7392 or 434-6365 for further information.

Faculty Breakfast and Dialogue

Members of the University community are invited to this monthly gathering (1 February, 7:45 to 8:45 a.m.). Place: St. Joseph's College, Newman Centre. Speaker: Randi Warne, assistant professor of social ethics and program director of St. Stephen's College. Topic: "Nellie McClung: Social Justice and the Transforming of the Canadian West."

Women Required for Foods and Nutrition Study

Women, 18 to 30 years of age, are wanted to participate in a Department of Foods and Nutrition study by Michael McBurney on the effects of menstrual cycle on colonic function and constipation. Subjects will be offered \$120 and meals for 10 days. The study will consist of two six-day periods (days 6-11 and 16-21 after the onset of menstruation). Must be non-smoker, in good health, and cannot be taking oral contraceptives. For more information, call Sharon at 438-3253 between 4 and 7 p.m., Monday through Friday.

Wine Reception in Honor of Cora Arends

The Department of Planning and Development will be holding a farewell wine and cheese reception for Cora Arends who will retire on 28 February, after 40 years of service to the University of Alberta.

The reception will take place from 3 to 5:15 p.m., Friday, 17 February, in the upper lounge at the Faculty Club. A cordial invitation is extended to all Cora's friends and colleagues to attend.

Anyone wishing to attend and/or contribute towards a farewell gift is asked to contact Doreen Peterson or Birgitta Reimann at 432-4966 for further particulars, before 10 February.

Talks

Physics

26 January, 2 p.m. B. Jennings, TRIUMF, "Relativity, One-, Two-, and 'Hopefully' Three-Body Equations." Nuclear Research Centre Seminar Room. 10 February 2 p.m. P. Piercy, University of Ottawa, "Critical Phenomena at a Solid Surface." V-121 Physics Building.

Entomology

26 January, 4 p.m. Brian Brown, "The Wonderful World of Disney and Basal Tissues of Phoridae (Diptera: Orthoptera)." TBW-1 Tory Breezeway. 2 February 4 p.m. Tim Spanton, "Some Snags in Snouter Systematics." TBW-1 Tory Breezeway.

9 February 4 p.m. Greg Pohl, "Taxonomic Status of *Patrobus* Species (Coleoptera: Carabidae)." TBW-1 Tory Breezeway.

Genetics

26 January, 4 p.m. Steve Henikoff, Fred Hutchinson Cancer Research Center, Seattle, "The Enigma of Dominant Brown Variegation in *Drosophila*." G-217 Biological Sciences Centre. 1 February, 4 p.m. George Haughn, Department of Biology, University of Saskatchewan, "Genetics of Pattern Formation in *Arabidopsis*." G-217 Biological Sciences Centre.

Medicine

27 January, 8 a.m. Mary Ann Johnson and Michael Clare, "An Update on Magnetic Resonance Imaging Interventional Radiology." 2F1.04 Mackenzie Health Sciences Centre, Classroom D. 27 January, noon J. Russell, "The Origin of Atherosclerosis." Conference Room, Surgical-Medical Research Institute.

East Asian Languages and Literatures

27 January, 11 a.m. Susumu Kuno, Harvard University, "Functional Syntax." 4-70 Assiniboia Hall. 27 January, 3 p.m. Professor Kuno, "Some Issues in Japanese Linguistics." B-09 Business Building. Also sponsored by the Department of Linguistics and the Consulate-General of Japan. 3 February, 3 p.m. Margaret Sung, Indiana University, "Chinese Language, Culture, and Social Behaviors." 1-05 Business Building.

Interest Group in Perception

27 January, 2 p.m. Charles Bourassa, "Repairing Nerves and Solving the Split Cell Problem." P-319N Biological Sciences Centre. 3 February, 2 p.m. Michael Dawson, "Solving the Motion Correspondence Problem with the 'Brainstate-in-a-Box' Algorithm." P-319N Biological Sciences Centre.

Animal Science

27 January, 3 p.m. Anne Naeth, "Co-evolution - The Grass-Herbivore Interaction." 1-13 Agriculture/Forestry Centre. 3 February, 3 p.m. Darren MacLeod, "The Importance of Chewing to Ruminant Animals." 1-13 Agriculture/Forestry Centre. 10 February, 3 p.m. Brian Cameron, "The History of Infertility in the Dairy Industry." 1-13 Agriculture Forestry Centre.

Statistics and Applied Probability

27 January, 3 p.m. G.H. Fick, Health Sciences, University of Calgary, "Detecting the Interaction of Quantity and Quality." 657 Central Academic Building. 8 February, 3 p.m. W. Willinger, Bellcore, New Jersey, "Martingale Problems Arising in Modern Financial Markets." 657 Central Academic Building.

History

27 January, 3:05 p.m. Ken Mouré, University of Calgary, "Depression

Diplomacy: France and International Economic Cooperation 1930-1936." 2-58 Tory Building.

Zoology

27 January, 3:30 p.m. Jamie Smith, Department of Zoology, University of British Columbia, "Population Regulation in Song Sparrows." M-149 Biological Sciences Centre. 3 February, 3:30 p.m. Paul Johnston, Tyrrell Museum, "Functional Morphology/Evolution of Shell Form in Bivalves." M-149 Biological Sciences Centre. 10 February, 3:30 p.m. John Allen, University of Saskatchewan, "Host - Parasite Interactions, From Mosquitos to Ticks." M-149 Biological Sciences Centre.

Canadian Institute of Ukrainian Studies

27 January, 7:30 p.m. Heorhii Kozholianko, ethnographer from Chernivtsi, Ukraine, "Folk Architecture in Precarpathia and Podillia." Presentations will be in Ukrainian. Heritage Lounge, Athabasca Hall. 10 February, 7:30 p.m. Frances Swyripa, "The Immigrant Pioneer Woman as a Reflection of Ukrainian-Canadian Identity." Heritage Lounge, Athabasca Hall.

Classics

30 January, 11 a.m. Nicholas Purcell, Fellow and Tutor of Ancient History, St. John's College, Oxford, "Roman Landscape Gardening." L-4 Humanities Centre. 31 January, 3:30 p.m. Dr. Purcell, "Dicing in the Ancient World." 1-8 Humanities Centre.

Boreal Institute for Northern Studies and Zoology

30 January, noon. Arlen Todd, Alberta Forestry, Lands and Wildlife; Fish and Wildlife Division, "Some Problems and Progress in Humane Trap Research and Development." B-105 Biological Sciences Building. 6 February, noon. Becky Sjare, "Walrus Vocalization and Behaviour." B-105 Biological Sciences Building.

CITL

30 January, noon. Christian Janssen, "Insights Obtainable from Instructor Evaluation Questionnaires." 2-33 Humanities Centre. 31 January, 3 p.m. Jim Newton, "Improve Teaching Through Peer Consultation." TB-W2 Tory Breezeway. 1 February, noon. Jennifer Higgin, "The Revealing Voice." TB-W2 Tory Breezeway. 1 February, 3 p.m. "The University: A House Divided?" Panelists: Wilfred Canning, Bruce Miller, Wallace Platt, Thomas Powrie. TB-W2 Tory Breezeway. 2 February, 3:30 p.m. Sandy Rennie, "The Pain of it All." TB-W2 Tory Breezeway. 6 February, 3 p.m. Gordon Freeman and Keith Ward, "Ethics: Interweaving Discussions of Ethics Into Other Subjects." TB-W2 Tory Breezeway.

Slavic and East European Studies

30 January, 3 p.m. Andriy Nahachewsky, "A Wedding in the Village of Ruski Krstur: A video presentation." 436 Arts Building.

Rural Economy

30 January, 3:15 p.m. Ted Horbulyk, Queen's University, "Firm and Industry Response to Stabilization Programs in Canadian Livestock Production." 519 General Services Building. Co-sponsored by Economics. 2 February, 3:15 p.m. Don Lauweryssen, "Export Market Development in International Wheat Trade: Perceptions of U.K. Importers and Millers." 519 General Services Building.

Women's Studies Program

30 January, 4 p.m. Elizabeth Grosz, professor of philosophy, University of Sydney, "Inscriptions and Body Maps: Feminism and the Corporeal" (on psychic and social constructions of the body). L-3 Humanities Centre. 31 January, 5 p.m. Professor Gorsz, "Feminism, Representation and Politics" (on the contributions of Kristeva and Irigaray to theories of cultural and artistic representation). L-3 Humanities Centre.

Edmund Kemper Broadus Lectures

M.V. Dimić, University Professor, will deliver a series of three lectures under the general title, "Aspects of the Romantic Paradigm." All lectures in L-1 Humanities Centre. 31 January, 4 p.m. "New Canon and System of Genres." 1 February, 4 p.m. "The Discovery and Invention of Folk Literature." 2 February, 4 p.m. "Romantic Irony."

Rehabilitation Medicine

1 February, noon. Fred Morrison, "School Cut-Off: A Natural Experiment in Learning Development." Attached Trailer Room 109, Corbett Hall.

Applied Mathematics Institute

1 February, 4 p.m. J. Stephenson, "Partition Function Zeros in Statistical Mechanics." 657 Central Academic Building.

Botany

1 February, 4 p.m. Norella Juma, "Carbon and Nitrogen Cycling in Agro-Ecosystems." M-149 Biological Sciences Centre.

Soil Science

2 February, 12:30 p.m. W.B. McGill, "Soil Organic Matter Dynamics: A Synthesis." 2-36 Earth Sciences Building. 8 February, 12:30 p.m. J.L. Richardson, Department of Soil Science, North Dakota State University, Fargo, "Groundwater Flow and Soil Salinity." 2-36 Earth Sciences Building. 9 February, 12:30 p.m. A.C.J. Sickinga, "Tractor-Induced Densification in Cultivated Agricultural Soils." 2-36 Earth Sciences Building.

Anthropology and Oral Biology

2 February, 3:30 p.m. Richard Scott, University of Alaska and AHFMR guest speaker, "Dental Anthropology of the Greenland Norse." 14-6 Tory Building. 3 February, noon. Dr. Scott, "An Introduction to Dental Genetics." 4069 Dentistry/Pharmacy Centre. 4 February, 10:30 a.m. Dr. Scott, "Southwest Indian Dental

Microdifferentiation."
1-28 Tory Building.

English

3 February, noon. Paul G. Stanwood, University of British Columbia, "Milton's *Lycidas*: An Earlier Seventeenth-Century Opera." 5-20 Humanities Centre.
14 February, 4 p.m. G. Burger, "Repositioning the Self: Alterity and Closure in Chaucer's *The Book of the Duchess*." 5-20 Humanities Centre.

Club IDC

3 February, 3:30 p.m. Mathew Zachariah, University of Calgary, "People's Revolution in Democracy. The Case of Karala Sastra Sahitye Parishad (Science Education Society)." 4-110 Education North.

Chemistry

6 February, 11 a.m. Bruce Branchaud, Department of Chemistry, University of Oregon, "Synthetic and Mechanistic Studies of New Organocobalt-Mediated Radical Cross Coupling Reactions." V107 Chemistry Building.

Slavic and East European Studies

6 February, 3 p.m. Gerard Magennis, "The Muse Carried a Browning - P.K. Yavorov and his Poetry." 436 Arts Building.
13 February 3 p.m. Alexander J. Matejko, "The Chances of a Civil Society in Eastern Europe." 436 Arts Building.

Literary Theory

6 February, 4 p.m. Jo-Ann Wallace, "Laura Riding and the Politics of Decanonization." 5-20 Humanities Centre.

Genetics and Microbiology

7 February, 4 p.m. W. Paranchych, "NMePhe Pili of *Pseudomonas aeruginosa*." BSM149 Biological Sciences Centre.

Anatomy and Cell Biology

8 February, noon. Mike Carpenter, "Protein Sequencing." 6-28 Medical Sciences Building.

History and Canadian Mediterranean Institute

9 February, 7:30 p.m. Brian Alsopp, local architect, "Classical Motifs Modern Architecture. The Example of Edmonton." Provincial Museum.

The Arts

Studio Theatre

2 to 11 February (excluding 5 February), 8 p.m. "The Cherry Orchard." Tickets: \$5 and \$6. 432-2495.

Films

Germanic Languages

8 February, 7:30 p.m. "Grete Minde." (1976), German. 141 Arts Building.

page ten, Folio, 26 January 1989

Exhibitions

FAB Gallery

Until 29 January. "Virtu Three—"an exhibit of industrial design by the participants in the Canadian Residential Furniture Design competition.
31 January to 12 February. "Izabella Gustowska and Krystina Piotrowska—"contemporary Polish printmakers.

McMullen Gallery

Until 3 February. " . . . Not a Creature was Stirring . . ." Works by Alberta folk artists and craftspeople. Mackenzie Health Sciences Centre.

Clothing and Textiles

Until 28 February. "Gifts to the Collection—"a selection of costumes, accessories and cross-cultural textiles. Basement, Home Economics Building.

Bruce Peel Special Collections

Until 25 March. "Three Centuries of John Bunyan: The Progress of a Pilgrim." B-7 Rutherford South.

Sports

Hockey

31 January, 7 p.m. Face-Off '89. Golden Bears vs. NAIT. Northlands Coliseum.

Basketball

27 and 28 January, 6:30 p.m. Pandas vs. Lethbridge.
27 and 28 January, 8:15 p.m. Golden Bears vs. Lethbridge.

Intramural Programs

Open to academic and non-academic staff as well as to students. 432-5705.

Men's Program

30 and 31 January, 1, 2 and 6 February. Men's Triple Volleyball Tournament. Main Gym.
4 and 5 February. Men's (Singles) Badminton Tournament. Education Gym.
3, 4 and 5 January. Men's Curling Bonspiel. Balmoral Curling Club. Entry deadline: 31 January, 1 p.m.
8 February, 7:30 p.m. Men's Track and Field Meet. Pavilion. Entry deadline: 31 January, 1 p.m.

Women's Program

3, 4 and 5 February. Curling Bonspiel. Balmoral Curling Club. Entry deadline: 31 January, 1 p.m.

Special Events

29 January, 1:45 p.m. Family Fun Sunday. Pavilion and West Pool. Entry deadline: 27 January, noon.

Award Opportunities

The Mackenzie King Travelling Scholarships

Number and value of scholarships: four or five scholarships of up to \$10,000. Eligibility: open, on application, to

graduates of any Canadian university who propose to engage, either in the United States or the United Kingdom, in postgraduate studies in the field of International or Industrial Relations (including the international or industrial aspects of Law, History, Politics, and Economics).

The Mackenzie King Open Scholarship

Number and value of scholarships: one, one-year scholarships of up to \$7,000. Eligibility: Open, to graduates of any Canadian university. Offered in competition for full-time postgraduate studies in Canada or elsewhere, and in any field. Deadline date: 1 February for both Scholarships. For more information, contact: Office of Student Awards, 252 Athabasca Hall, 432-3221.

Positions

The University of Alberta is committed to the principle of equity in employment.

In accordance with Canadian Immigration requirements, these advertisements are directed to Canadian citizens and permanent residents.

Academic

Chief Librarian

Applications and nominations are invited for the position of Chief Librarian at the University of Alberta. The Chief Librarian is responsible to the Vice-President (Academic) for the administration and operation of the University's Library system, including the supervision of staff, the administration and development of policies, collection development management, budgeting, planning, fund development, liaison with academic and administrative units, and liaison with the external library community and other institutions.

Qualifications: Professional qualification in librarianship, experience in management and administration at a senior level within an academic or research library, an appreciation of the role of a major research library within an academic community. Salary will be commensurate with experience and qualifications.

Written nominations or applications, accompanied in the latter case by a résumé of qualifications and the names of three referees, should be submitted by 15 March 1989 to: Dr. J. Peter Meekison, Vice-President (Academic), Third Floor, University Hall, University of Alberta, Edmonton, Alberta T6G 2J9.

Manager, Internal Allocations and Information

Applications are invited for the position of Manager, Internal Allocations and Information, Office of Research Services. The Manager is responsible for the administration of the University's Internal Research Allocations Program, including all aspects of the Central Research Fund and Alberta Heritage Foundation for Medical Research/Internal Allocations Committee. Other duties include the production of Sponsored Research FOLIO, participation in the management of all ORS computer data bases, participation in information seminars, and the compilation of reports. The Manager also acts as Chief Information Officer for the Office of Research Services.

Applicants must have a minimum qualification of a university degree. University administrative experience is desirable. Effective communication skills and the ability to work under pressure are essential.

Salary and classification for this position are under review. The current salary is in the \$30,000 per annum range.

Applications with résumé and names of three referees should be sent to: Mr. Alan Knowles, Acting Associate Director, Office of Research Services, University of Alberta, Edmonton, Alberta T6G 2J9.

Deadline for applications: 9 February 1989.

Tenure-Track Position, Department of Educational Administration

The Department of Educational Administration invites applications for a tenure-track position at the Assistant Professor level effective 1 July or 1 September 1989 (subject to budgetary provisions). Current salary range is \$33,144 to \$47,280.

The department is launching an MEd level specialization on the principalship emphasizing clinical experience and reflective practice. Accordingly, preference will be given to persons with previous involvements in school leadership roles and in instructional innovations linking theory and practice.

Preparation should be of sufficient breadth and depth to qualify the applicant for teaching and research in one or more of the specialized areas of Educational Administration.

Applicants will forward the following materials:

1. A letter of application.
2. A transcript of courses in the applicant's graduate programs.
3. A copy of the title page and the abstract of the applicant's doctoral dissertation (or brief description of the study if completion is pending).
4. A recent *curriculum vitae*.
5. Names and current addresses of three referees who can attest to the applicant's potential as a scholar and as an educational leader.

These materials should be directed to: Dr. W.H. Worth, Acting Chairman, Department of Educational Administration, 7-104 Education North, University of Alberta, Edmonton, Alberta, T6G 2G5.

The closing date for applications is 31 March 1989; all documentary material must have been received by that date.

Tenure-Track Position in Measurement and Evaluation, Department of Educational Psychology

Applications are invited for a tenure-track position in the area of measurement and evaluation. The salary range is \$41,390 to \$56,000, thus permitting employment at the Associate or Full professorship rank, depending upon the academic qualifications of the successful candidate.

Candidates should have a record of successful teaching experience, be knowledgeable in psychometric theory and its applications to practical testing problems, and have an ongoing, independent research program. The candidate will be expected to teach measurement, evaluation and analysis issues at the senior undergraduate,

master's, and doctoral levels, and to supervise graduate students at both master's and doctoral levels. The ability to teach in other content areas of Educational Psychology would be an asset.

The position is available 1 July 1989. Applications will be received until 1 April 1989, but the position will remain open until a suitable appointment is made.

Applicants should send a *curriculum vitae*, copies of recent publications and names and addresses of three referees to: E. Romaniuk, Chairman, Department of Educational Psychology, 6th Floor Education Centre North, University of Alberta, Edmonton, Alberta T6G 2G5.

Support Staff

To obtain further information on the following positions, please contact Personnel Services and Staff Relations, 2-40 Assiniboia Hall, telephone 432-5201. Due to publication lead time and the fact that positions are filled on an ongoing basis, these vacancies cannot be guaranteed beyond 20 January. For a more up-to-date listing, please consult the weekly *Employment Opportunities Bulletin* and/or the postings in *PSSR*.

Clerk Steno II (Part-time, Trust), Pathology, (\$638-\$792) (prorated)
Clerk Steno II, (Part-time), Entomology, (\$1,021-\$1,267) (prorated)
Clerk Steno III (Part-time, Trust), Medicine, (\$355-\$446) (prorated)
Clerk Steno III (Part-time, Trust), Medicine, (\$711-\$893) (prorated)
Clerk Steno III (Trust), Lipid and Lipoprotein Research Group, (\$1,421-\$1,785)
Clerk Steno III, Dean of Science (\$1,421-\$1,785)
Clerk Typist III, Health Sciences Laboratory Animal Services, (\$1,421-\$1,785)
Library Clerk III, Faculté Saint-Jean, (\$1,421-\$1,785)
Security Control Clerk I, Physical Plant, \$69-\$1,863
Secretary (Part-time, Trust), Faculty of Medicine, (\$792-\$1,012) (prorated)
Secretary (Part-time), Family Practice (Royal Alexandra Hospital), (\$792-\$1,012), (prorated)
Secretary, University Secretariat (\$1,584-\$2,023)
Departmental/Executive Secretary (Trust), Department of Medicine (Dermatology and Cutaneous Sciences), (\$1,785-\$2,297)
Departmental/Executive Secretary, University Secretariat, (\$1,785-\$2,297)
Food Service Assistant, Housing and Food Services, (\$1,188-\$1,469)
Food Service Worker I (Baker), Housing and Food Services, (\$1,276-\$1,584)
Distribution Clerk, Materials Management, (\$1,643-\$2,109)
Technician I (Trust), Psychiatry, (\$1,643-\$2,109)
Vehicle Operator, Physical Plant, (\$1,643-\$2,109)
Administrative Assistant I, Personnel Services and Staff Relations, (\$2,023-\$2,611)
Typographical Tradesman III, Printing Services, (\$2,109-\$2,730)
Technologist II (Term), Boreal Institute for Northern Studies, (\$2,200-\$2,851)
Technologist II (Split-funded), Home Economics (Clothing and Textiles), (\$2,200-\$2,851)
Electronics Technician III, Physical Plant, (\$2,200-\$2,851)
Administrative Assistant II (Trust), Western Board of Music, \$97-\$2,976
Technician IV, Physics, (\$2,397-\$3,113)
Plant Operator II, Physical Plant, (\$2,504-\$3,253)

For vacant Library positions, telephone 432-3790.

Library Clerk III, Library (Periodicals and Microfilm Centre), (\$1,421-\$1,785)

Postdoctoral Position, Lipid and Lipoprotein Research Group, Department of Biochemistry

This research position involves studies on the mechanism of action of plasma lipid transfer proteins and their role in lipoprotein metabolism. The group is currently investigating related phenomenon in human plasma and in plasma derived from the insect *Maduca sexta* permitting some flexibility in the specific project undertaken.

The successful candidate should have a PhD in Biochemistry or a related field and familiarity with techniques of protein and lipid purification and analysis.

The initial appointment will be for one year and may be extended to three years.

The salary range is from \$22,000 to \$27,000 depending on experience.

The Lipid and Lipoprotein Research Group is currently housed in the new Heritage Medical Research Building with state-of-the art facilities for biochemical research.

For further information on this position, contact: Dr. Robert O. Ryan, Assistant Professor, Lipid and Lipoprotein Research Group, 315 Heritage Medical Research Centre, University of Alberta, Edmonton, Alberta T6G 2S2. Telephone: 432-5153.

Advertisements

Accommodations available

Victoria properties - Experienced, knowledgeable realtor with Edmonton references will answer all queries, and send information. No cost or obligation. Call collect (604) 592-3666, Lois Dutton, Wessex Realty, Victoria, B.C.

Rent - 10324 124 St. Large, two-bedroom apartments. Quiet, immaculate, \$350 and \$375. Soft water, free dryer. Next to the Woltjen Gallery. Phone 488-0880 or 466-7571.

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Sale - Windsor Park. 1,435', four-bedroom bungalow. Hardwood floors, new double garage, 66'x135' lot, new wiring, renovated kitchen, seven appliances, curtains. \$135,000. 432-7296.

Sale - Executive golf course location, Sherwood Park. 3,000 sq. ft., two storey with two fireplaces, formal dining, five bedrooms, island kitchen plus more. To view, call Sandie, Re/Max Realty, 468-3322.

Sale - Old Strathcona, excellent University location. Magnificent historic mansion. Brick-built, cedar roof. Woodwork painstakingly restored. Large formal dining room. Ideal large family home. Jean MacKenzie, Spencer Realty, 436-5250.

Sale - Large lot backing onto the river in Riverbend. Asking \$195,000. Liz Crockford, Spencer Real Estate, 436-5250.

Sale - Bungalow. \$84,500. Three bedrooms, fireplace, well-developed basement, garage. Liz Crockford, Spencer Real Estate, 436-5250, 434-0555 res.

Sale - Riverbend. \$76,500. Spacious, two-bedroom condominium. Two bathrooms, all appliances, south balcony, covered parking, very large swimming pool, etc. Available now. Liz Crockford, Spencer Real Estate, 436-5250.

Sale - By owner, Garneau, 1 1/2 storey, recently renovated. South backyard. \$108,000. 439-6663, 439-1776.

Sale - Walk to University. Large Belgravia bungalow with addition/renovation. New European kitchen. Also new: double garage, roof, insulation, stucco, windows, fence and sod. Austin Youngberg, 438-4700, Royal LePage, Riverbend.

Rent - Two-bedroom apartment for 15 February 1989. Belgravia. Quiet block, non-smoker please. \$450 inclusive. 1-542-2796 after 5 p.m.

Rent - House/rooms (five bedrooms) University area. Semifurnished, one kitchen, two bathrooms, garage, garden. 6-8 months. \$900. 436-3454.

Lease - Blue Quill. Four-bedroom, executive home. 2,200'. Backs onto park. July 1989 to summer 1990. Partly furnished, \$1,000. Catherine, 435-9530.

Rent - July 1989-July 1990.

Five-bedroom, faculty home, fully furnished, excellent location. Photos available. 433-8510, 432-2816.

Wanted - Character home with four bedrooms, large dining room, good location, for spring possession, up to \$300,000. Call Liz Crockford, Spencer Real Estate, 436-5250.

Sale - Spectacular condominium, \$64,900. Unbelievable \$35,000 in upgrades: oak kitchen, subzero fridge, Thermador appliances, oak floors, impressive bath. If you desire graceful living. Call Maggie Woytkiw, Re/Max Real Estate, 438-1575.

Sale - Aspen Gardens. Incomparable, unique, custom-built, newly-renovated, four-level split. Corner lot, 1,780', open beam, immaculate. \$137,500. 437-3643.

Rent - Study leave home in Belgravia, mid-August 1989 to mid-June 1990. Quiet, renovated, three-bedroom bungalow, fully furnished and equipped. No smokers or pets. \$850 plus utilities. Phone 432-5620.

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Architect's family, presently housesitting for study leave, interested in providing this service for 1-2 years. University area, commencing anytime-September 1989. 439-1872 after 6 p.m.

Married graduate students seek house to rent or sit, for 1-2 years. Excellent references. 435-6686.

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Cash paid for appliances, 432-0272. Koss CM90+ speakers, \$150. Sony E55SES FM tuner, \$130. NAD 3020A AMP, \$140. Paradigm 3SE speakers. \$175. Sennheiser reference headphones, \$95. 426-3158.

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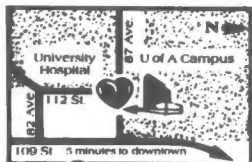
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